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FIG. 1

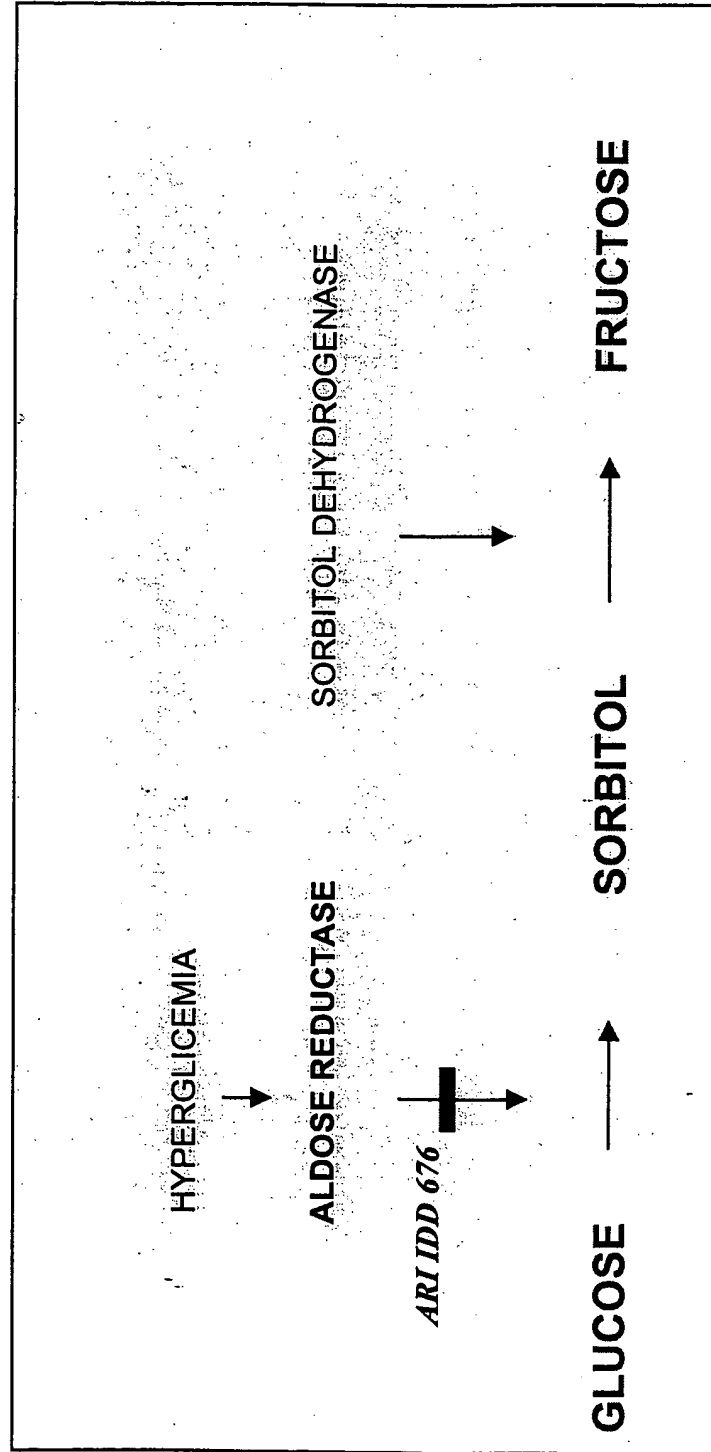


FIG. 2

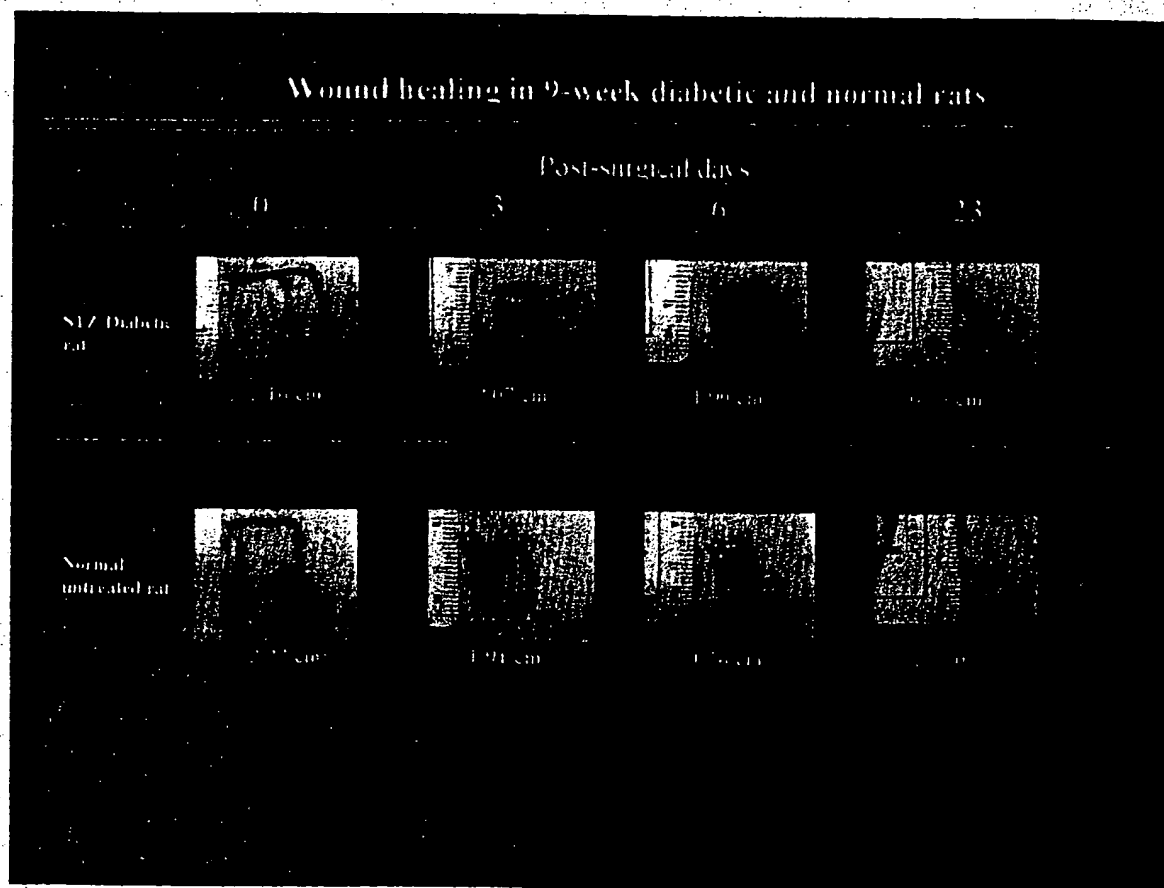
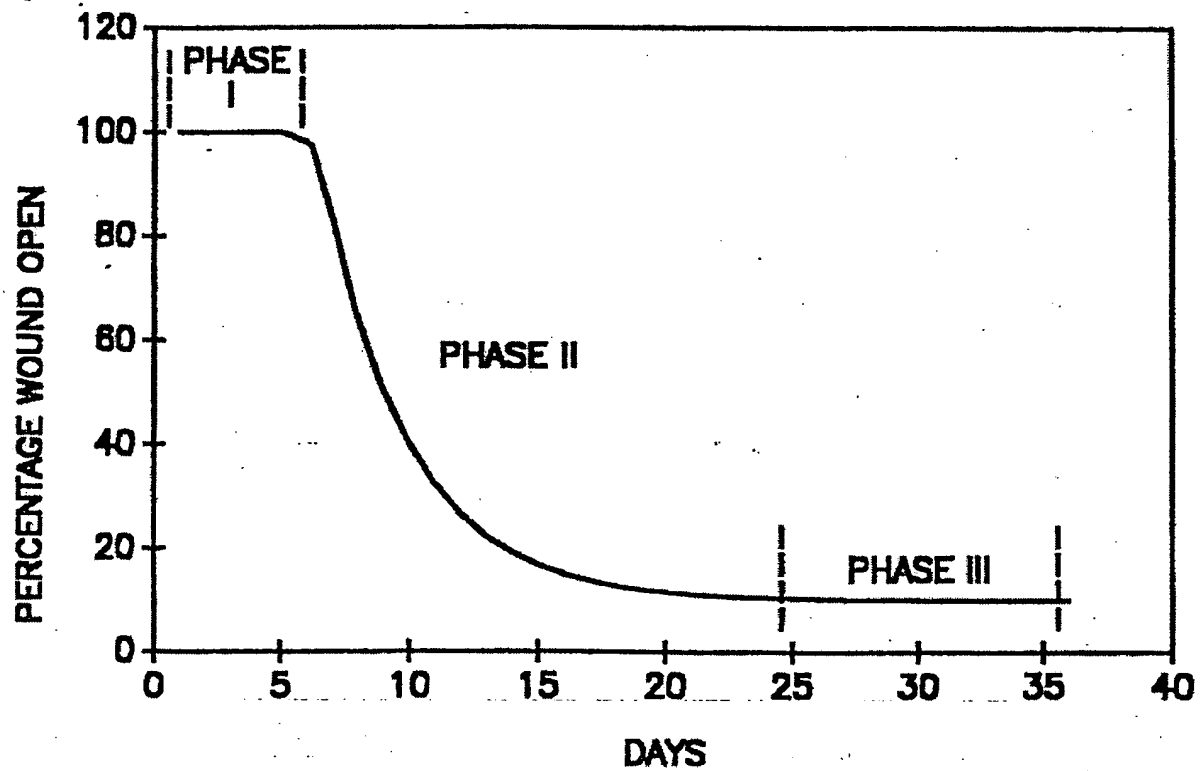
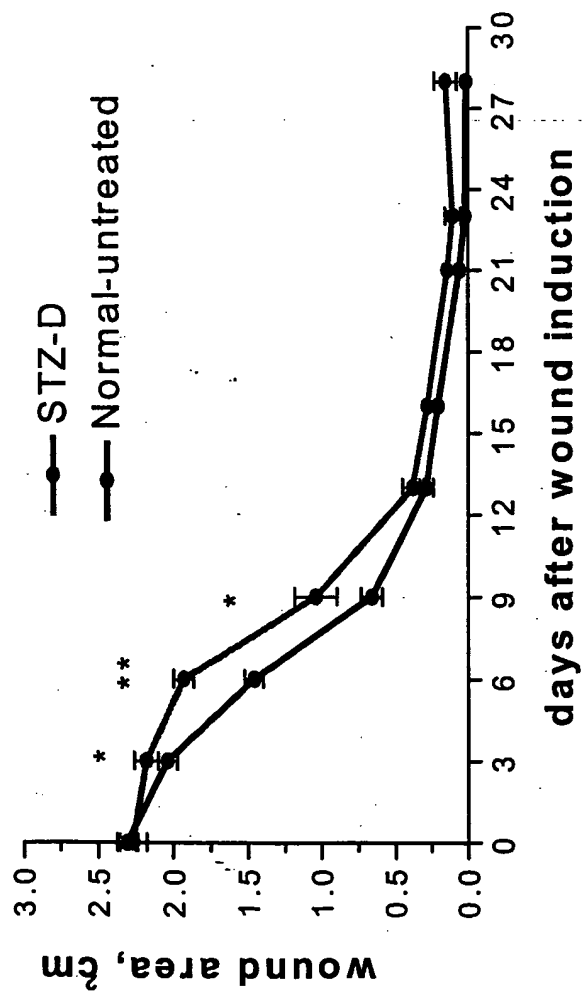


FIG. 3



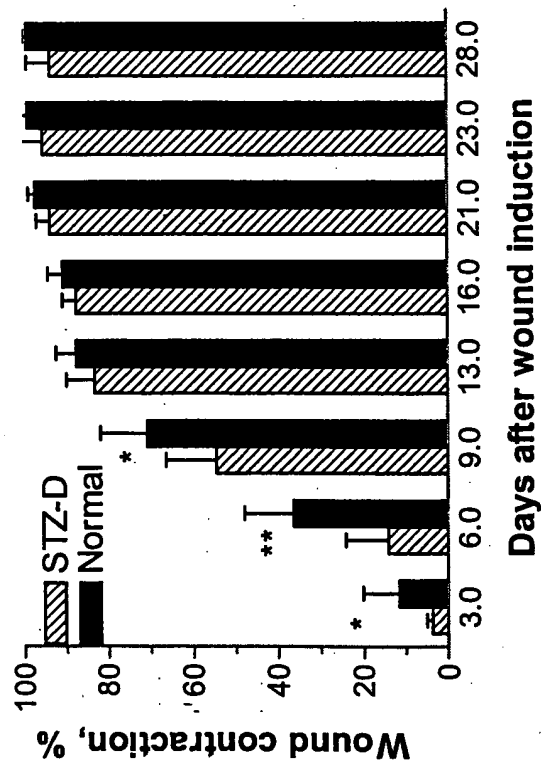
- I lag phase
- II rapid wound contraction phase
- III plateau phase

FIG. 4A



Single and double asterisks signify that the STZ-Diabetic group (n=5) differed from the normal-untreated group (n=10) with a $P < 0.05$ and $P < 0.005$ by Mann Whitney test (T-test), respectively.

FIG. 4B



Single and double asterisks signify that the STZ-Diabetic group (n=5) differed from the normal-untreated group (n=10) with a $P < 0.05$ and $P < 0.005$ by Mann Whitney test (T-test), respectively.

FIG. 5

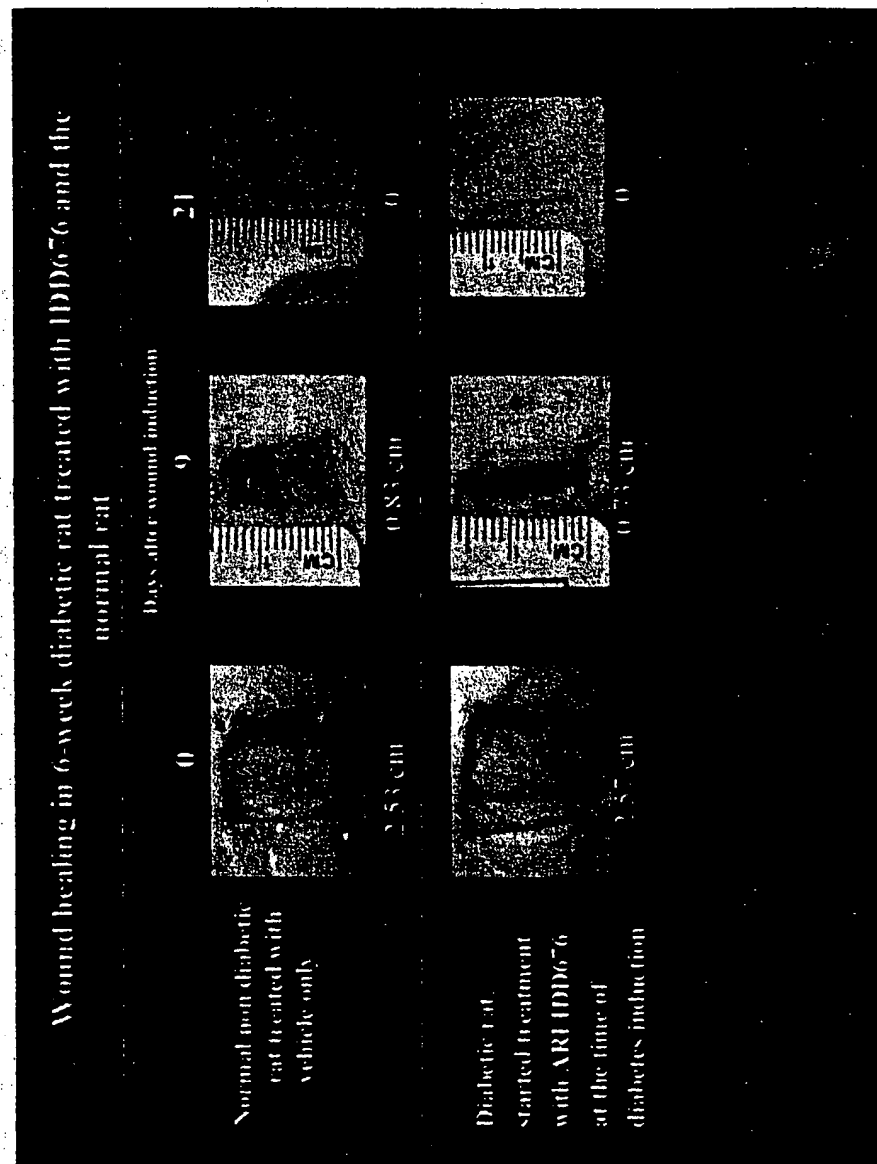
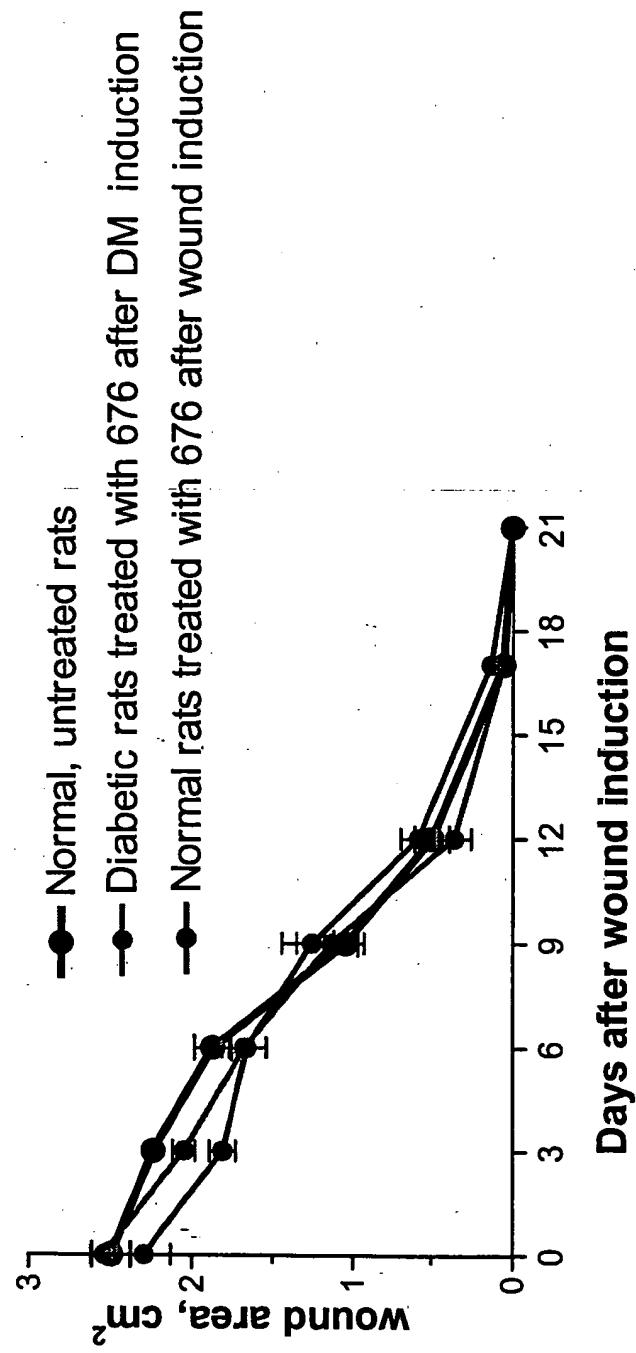
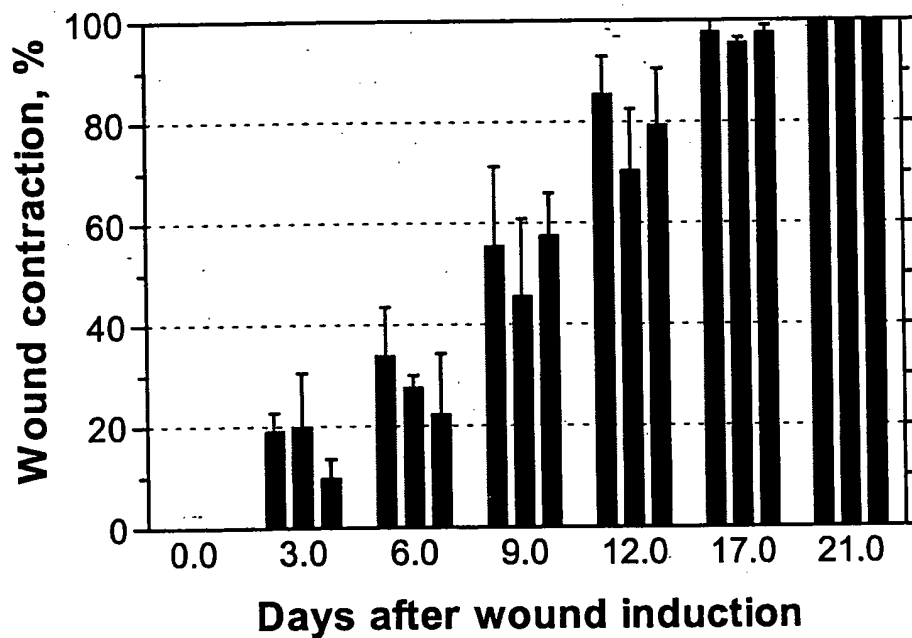


FIG. 6A



n=5, Kruskal-wallis test $p>0.05$

FIG. 6B



n=5, Kruskal-wallis test $p>0.05$

- Normal, untreated
- Diabetic, treated with 676 after DM induction
- Normal, treated with 676 after wound induction

FIG. 7

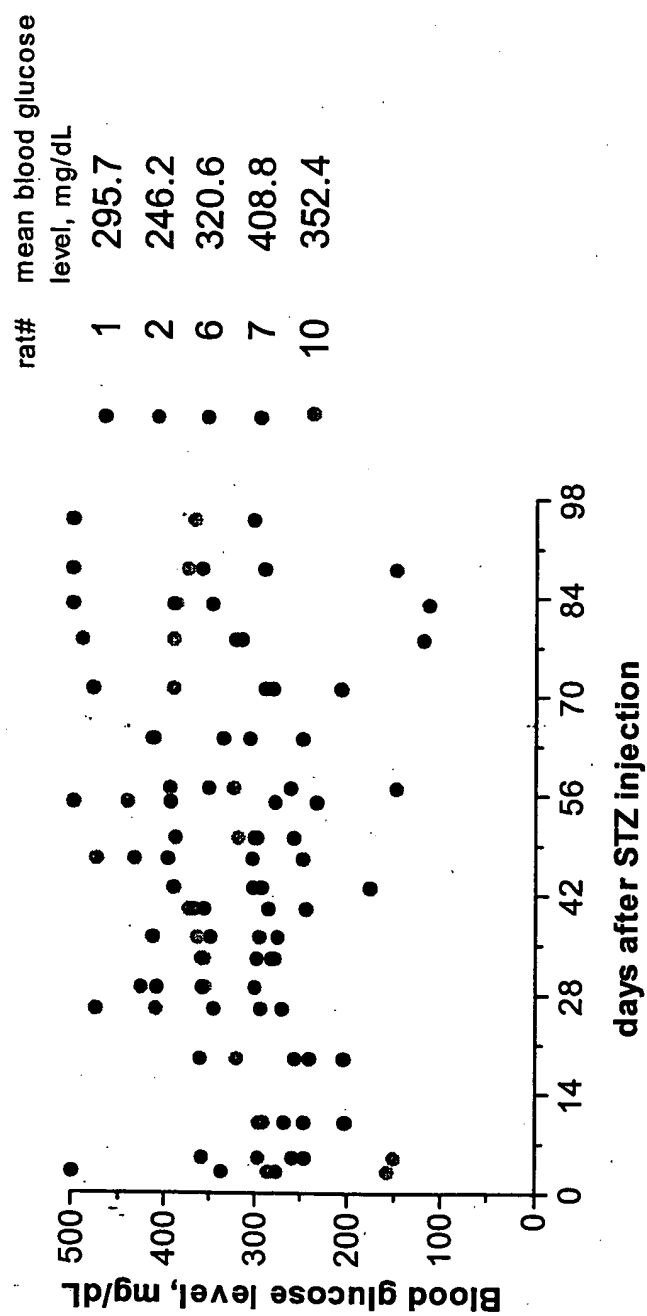


FIG. 8

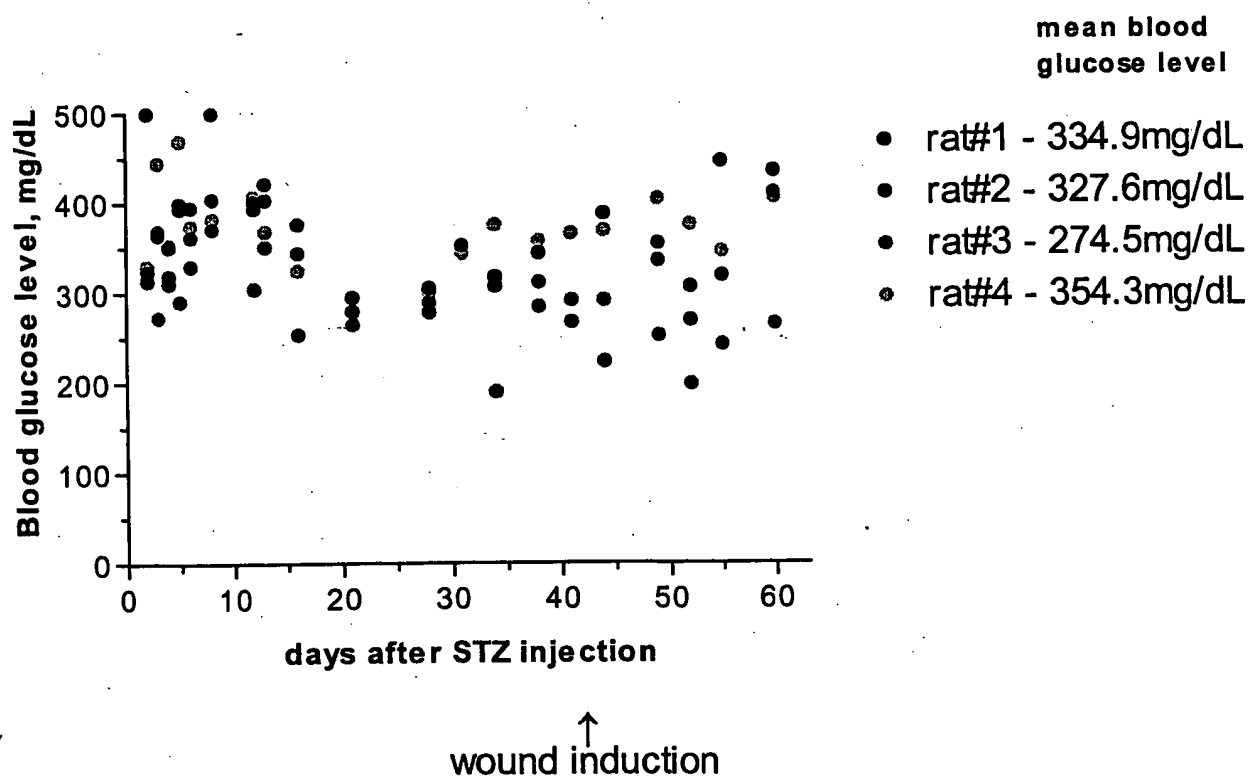
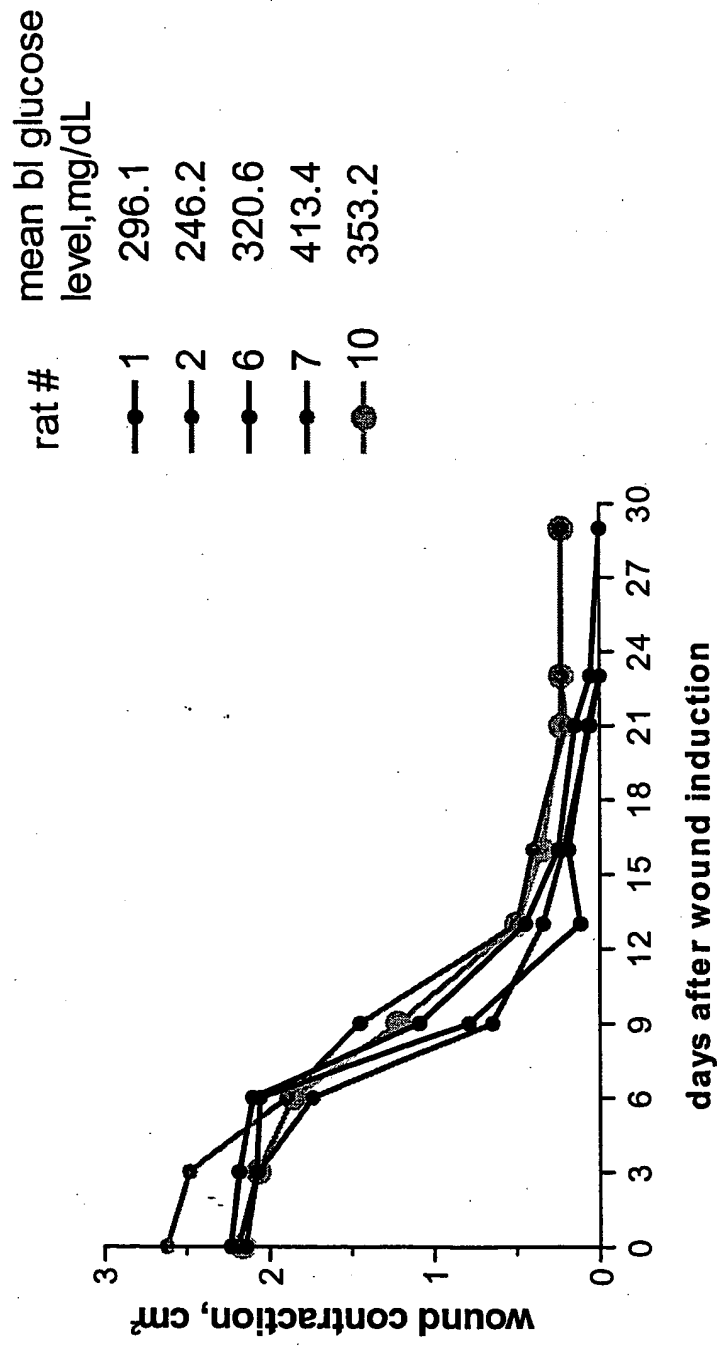


FIG. 9



1. The first part of the paper is devoted to the study of the asymptotic behavior of the solutions of the system (1) as $\epsilon \rightarrow 0$. It is shown that the solutions of the system (1) converge to the solutions of the system (2) as $\epsilon \rightarrow 0$.

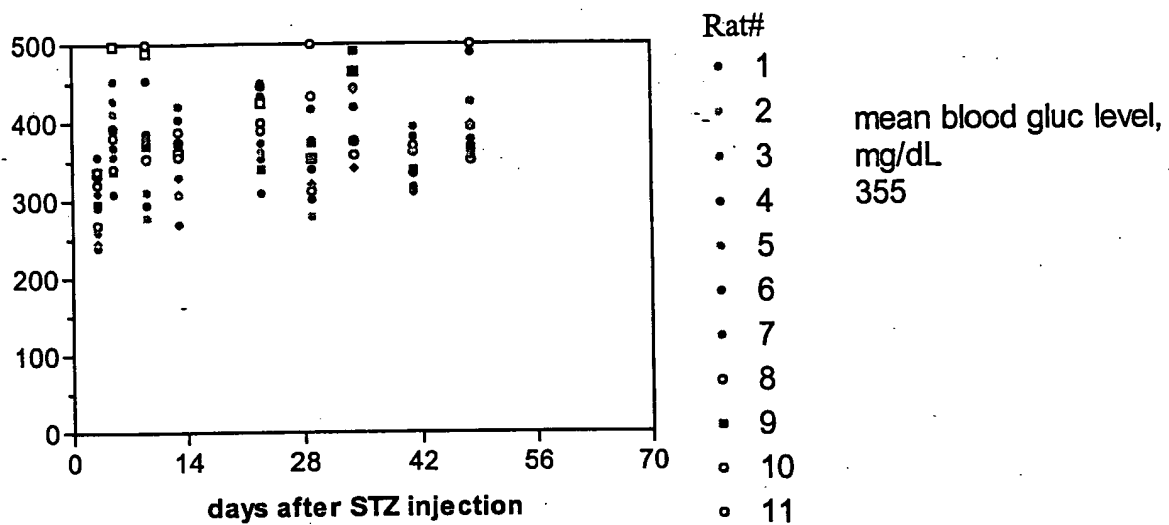


FIG. 10B

